

## CLAIMS

1. A mobile unit for use with a cellular radio transmission system having a plurality of base stations adapted for two-way radio communication and situated at respective geographical locations to define a corresponding plurality of overlapping service areas constituting one or more regions, the mobile unit comprising a receiver, control means for controlling the mobile unit, means for entering into the control means a predetermined service area, the control means being capable of recognising entry of the mobile unit into the predetermined service area from an adjacent service area, and means for notifying a user of the mobile unit of entry into the predetermined service area.

2. A mobile unit according to claim 1 further comprising a transmitter and adapted to communicate by two-way radio with the base stations.

3. A mobile unit according to claim 1 or claim 2 wherein the predetermined service area is identified by the identification code of the corresponding base station.

4. A mobile unit according to any preceding claim wherein the user is notified by an audible, visible or mechanical alarm.

5. A mobile unit according to any preceding claim comprising user operated means to enter into the control means information identifying a user selected service area as the predetermined service area.

6. A mobile unit according to any preceding claim comprising means for enabling the user to instruct the control means to define the current service area as the predetermined service area.

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*X* A mobile unit as hereinbefore described with reference to the accompanying drawings.